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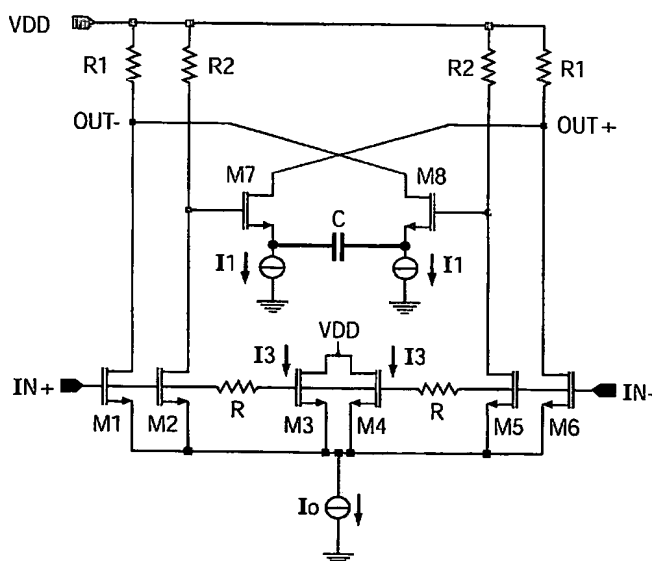
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(54) Title: LINEAR AMPLIFIER



(57) Abstract: A linear amplifier circuit comprising a first differential amplifier (DA 1) having a differential input terminals (I+, I-) for receiving a binary input signal, and a differential output terminals (O+, O-), a second differential amplifier (DA2) having input terminals coupled to the differential input terminals (I+, I-). The amplifier further comprises, a third differential amplifier (DA3) coupled in cascade to the second differential amplifier (DA2) and having its output cross-coupled to the differential output terminals in a feedforward connection, and a capacitor (C) coupled to the third differential amplifier (DA3) for determining an increase of a bandwidth of the linear amplifier, a current flowing through the capacitor (C) being proportional with a derivative of the differential input signal (I+, I-).

**Declaration under Rule 4.17:**

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